

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference WO 39319	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/11599	International filing date (day/month/year) 20/10/2003	(Earliest) Priority Date (day/month/year)
Applicant HONEYWELL INTERNATIONAL INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.
☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
☐ contained in the international application in written form.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority in written form.
☐ furnished subsequently to this Authority in computer readable form.
☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,
☒ the text is approved as submitted by the applicant.
☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,
☒ the text is approved as submitted by the applicant.
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 1
☒ as suggested by the applicant.
☐ because the applicant failed to suggest a figure.
☐ because this figure better characterizes the invention.

☐ None of the figures.

Best Available Copy

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02B37/16 F02B37/18 F02M25/07

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02B F02M F02D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 216 136 A (BRITISH THOMSON HOUSTON CO LTD) 9 April 1925 (1925-04-09)	1,2
Y	page 2, line 48 - line 73; figures	3
Y	GB 919 667 A (AMERICAN CYANAMID CO) 27 February 1963 (1963-02-27)	3
	page 6, line 78 - line 82; figure 5	
X	GB 2 042 090 A (RITE AUTOTRONICS CORP) 17 September 1980 (1980-09-17)	1
	page 4, line 2 - line 26; figure 12	
A	GB 515 877 A (HENRY TURNER; THOMAS BROWN) 15 December 1939 (1939-12-15)	
A	US 4 517 803 A (JAMISON TERRY) 21 May 1985 (1985-05-21)	
	cited in the application	
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

17 May 2004

Date of mailing of the international search report

24/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sideris, M

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	✓ US 5 540 417 A (SPENCER WILLIAM W) 30 July 1996 (1996-07-30) cited in the application -----	

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 216136	A	09-04-1925	NONE	
GB 919667	A	27-02-1963	US 3094394 A US 3197287 A FR 1299792 A NL 267408 A	18-06-1963 27-07-1965 27-07-1962
GB 2042090	A	17-09-1980	DE 2850213 A1 FR 2437509 A1 IT 1160261 B JP 55046083 A	10-04-1980 25-04-1980 11-03-1987 31-03-1980
GB 515877	A	15-12-1939	NONE	
US 4517803	A	21-05-1985	DE 3472135 D1 EP 0123515 A1 JP 1578998 C JP 2002449 B JP 59200018 A	21-07-1988 31-10-1984 13-09-1990 18-01-1990 13-11-1984
US 5540417	A	30-07-1996	AU 674419 B2 AU 6886394 A BR 9403136 A CA 2129275 A1 GB 2282579 A , B ZA 9405738 A AP 560 A AT 173683 T DE 69506136 D1 DE 69506136 T2 EP 0663307 A1 ES 2128655 T3 NZ 270324 A	19-12-1996 09-02-1995 11-04-1995 03-02-1995 12-04-1995 14-03-1995 15-11-1996 15-12-1998 07-01-1999 06-05-1999 19-07-1995 16-05-1999 20-12-1996

Best Available Copy